

金缕梅科一些种类的新异名

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New synonymies of some species in the Hamamelidaceae

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Abstract In the course of preparing an account of the Hamamelidaceae for the *Flora of China*, ten new synonymies are proposed, one in *Altingia* Noronha, one in *Hamamelis* Linn., one in *Rhodoleia* Champ., three in *Distylium* Sieb. et Zucc. and four in *Semiliquidambar* H. T. Chang.

Key words Hamamelidaceae; New synonymies

1 镰尖蕈树

Altingia siamensis Craib in Bull. Misc. Inform. Kew 1928: 68. 1928. — *A. angustifolia* H. T. Chang in Acta Sci. Nat. Univ. Sunyatseni 1961 (4):52. 1961, syn. nov. TYPE: China. Guangdong (广东), Dapu (大埔), in dense forests, 1957-06-10, L. Deng (邓良 5031) (holotype, IBSC).

A. angustifolia is considered to differ from the other species in the genus by having narrowly oblong or lanceolate leaves with caudate-acuminate apices. However, these characters also occur in *A. siamensis* and there are no other characters that distinguish the two taxa.

Distribution: Guangdong (Hang River valley) and Yunnan (Jiangcheng Xian), China, also in N Thailand, Laos, and N and S Vietnam.

2 小叶蚊母树

Distylium buxifolium (Hance) Merr. in Sunyatsenia 3: 251. 1937. — *D. buxifolium* (Hance) Merr. var. *rotundum* H. T. Chang in Acta Sci. Nat. Univ. Sunyatseni 1960(1): 40. 1960, syn. nov. TYPE: China. Fujian (福建) (precise locality unknown), P. Q. Tsoong(钟补勤)385 (holotype, IBSC).

D. lipoense Y. K. Li & X. M. Wang in Acta Bot. Yunnan. 8(3): 275. 1986, syn. nov. TYPE: China. Guizhou (贵州), Libo (荔波), alt. 600 m, in sparse forests, 1983-04-16, X. M. Wang (王雪明)164 (holotype, HGAS).

The original description of *D. buxifolium* var. *rotundum* indicated that it differs from var. *buxifolium* by having pubescent young branches, elliptic leaves with obtuse or rounded apices, instead of glabrous young branches, oblanceolate or oblong-oblanceolate leaves with acute apices. *D.*

lipoense is considered to differ from *D. buxifolium* by having stellate-pubescent young branches, elliptic leaves with acute apices and styles 6~7 mm long. However, based on our studies these characters show continuous variation and there are no other characters that distinguish *D. buxifolium* from *D. lipoense* Y. K. Li & X. M. Wang

Distribution: Fujian, Guangdong, Guangxi, Guizhou, Hubei, Hunan, Sichuan, Zhejiang.

3 杨梅叶蚊母树

Distylium myricoides Hemsl. in Hook. f., Ic. Pl. 29: t. 2835. 1907. — *Distylium myricoides* Hemsl. var. *nitidum* H. T. Chang in Acta Sci. Nat. Univ. Sunyatseni, 1960(1): 40. 1960, syn. nov. TYPE: China. Zhejiang (浙江), Wenzhou (温州), R. C. Ching (秦仁昌) 2081 (holotype, IBSC; isotype, SYS).

D. myricoides var. *nitidum* is considered to differ from the typical variety of *D. myricoides* by having shiny entire leaves and subglobose capsules, instead of non-shiny, distally dentate leaves and ovoid-globose capsules. These alleged differences are insufficient to support the division of the species into two varieties.

Distribution: Anhui, Fujian, Guangdong, Guangxi, E Guizhou, Hunan, Jiangxi, Sichuan, Zhejiang.

4 金缕梅

Hamamelis mollis Oliv. in Hook. f., Ic. Pl. 18: t. 1742. 1888. — *H. mollis* var. *oblongifolia* M. P. Deng et K. Yao in Bull. Nanjing Bot. Gard. Mem. Sunyatsen. 1984: 125, f. 1. 1985, "*oblongifolia*", syn. nov. TYPE: China. Anhui(安徽), Huoshan(霍山), M. P. Deng & K. Yao (邓懋彬, 姚淦) 80641, alt. 700~800 m, in humid places of valleys (holotype, JS-BI).

H. mollis var. *oblongifolia* is considered to differ from var. *mollis* in its obovate to oblong leaves and adaxially brown sepals. However, these morphological characters are variable within *H. mollis*, and thus the establishment of the variety is not supported.

Distribution: Anhui, Guangxi, Hubei, Hunan, Jiangxi, Sichuan, Zhejiang.

5 红花荷

Rhodoleia championii Hook. f., Gen. Pl. 1: 668. 1865. — *R. latiovatifolia* G. A. Fu in Guihaia 11(3): 208. 1991, syn. nov. TYPE: China. Hainan (海南), Lingshui (陵水), alt. 500~700 m, in mountain forests, 1981-11-02, G. A. Fu (符国瓊) 2208 (holotype, HFB).

The original description of *R. latiovatifolia* indicated that it differs from *R. championii* by having broadly ovate leaves 6.8~9.0 cm × 5.5~7.5 cm, peduncles 4 cm long, petals 2.4 cm × 0.6 cm, filaments 1.3 cm long, anthers 0.3 cm long. However, these characters are quantitative and clearly fall within the variation range of *R. championii*.

Distribution: C and W Guangdong, Guizhou, Hainan (Lingshui) in China, also in Vietnam.

6 半枫荷

Semiliquidambar cathayensis H. T. Chang in Acta Sci. Nat. Univ. Sunyatseni 1962(1): 37. 1962. — *Altingia chingii* Metc. var. *parvifolia* Chun in Sunyatsenia 1: 241. 1934, syn. nov. TYPE: China. Guangdong (广东), Wentong Shan (文通山), in dense forests, 1931-10-

07, H. Y. Liang (梁向日) 61283 (holotype, IBSC).

S. cathayensis var. *fukienensis* H. T. Chang in Acta Sci. Nat. Univ. Sunyatseni 1962(1): 42. 1962, syn. nov. TYPE: China. Fujian (福建), Zhangping (漳平), alt. 700 m, 1942-11-21, Y. Ling (林谿) 4522 (holotype, PE).

A. chingii var. *parvifolia* is considered to differ from *Semiliquidambar cathayensis* by having leaves less than 10 cm long, petioles 2 ~ 3 cm long, undivided leaves oblong or ovate-oblong, rounded at base, lateral veins 4 ~ 5-paired. *S. cathayensis* var. *fukienensis* was described as different from the typical variety also in its leaves 6 ~ 8 cm long, undivided and elliptic-cuneate at base, lateral veins 7 ~ 8-paired. We consider that the recognition of these infraspecific taxa is unwarranted.

Distribution: Fujian, Guangdong, N Guangxi, S Guizhou, Hainan, S Jiangxi.

7 长尾半枫荷

S. caudata H. T. Chang in Acta Sci. Nat. Univ. Sunyatseni 1962(1): 37. 1962. — *S. cuspidata* H. T. Chang in Acta Sci. Nat. Univ. Sunyatseni 1962(1): 43. 1962, syn. nov. TYPE: China. Zhejiang (浙江), Jingning (景宁), 1959-10-23, Hangzhou Bot. Gard. (杭州植物园) 7303 (holotype, PE).

S. cuspidata is considered to differ from *S. caudata* by having oblong-ovate, densely serrate leaves and globose infructescences, but this character combination also occurs in the latter species.

Distribution: C Fujian, S Zhejiang.

8 细柄半枫荷

S. chingii (Metc.) H. T. Chang in Acta Sci. Nat. Univ. Sunyatseni 1962(1): 37. 1962. — *S. chingii* var. *longipes* Y. K. Li et X. M. Wang in Acta Bot. Yunnan. 8(3): 275, 1986, syn. nov. TYPE: China. Guizhou (贵州), Libo (荔波), Exped. Guizhou Academy of Sciences (贵州科学院考察队) 76536 (holotype, HGAS).

S. chingii var. *longipes* is considered to differ from *S. chingii* var. *chingii* by having leaves nearly rounded at base, lateral veins 6 ~ 7 paired, pubescent in vein-axil abaxially, infructescences 6 ~ 8.2 cm long. However, these characters are variable in *S. chingii*.

Distribution: Fujian, Guangdong, Guizhou (Libo), S Jiangxi.

Acknowledgements We thank Dr. Peter K. Endress and Dr. Ihsan Al-Shehbaz for their helpful comments on this paper. This work was supported by the National Natural Science Foundation of China (Grant No. 39970055, 39630030).

摘要 作为对英文版《Flora of China》金缕梅科的分类学修订结果, 本文提出了 10 个新异名, 其中蕈树属 *Altingia* Noronha, 金缕梅属 *Hamamelis* Linn., 红花荷属 *Rhodoleia* Champ. 各一个新异名, 蚊母树属 *Distylium* Sieb. et Zucc. 3 个新异名, 半枫荷属 *Semiliquidambar* Chang 4 个新异名, 并分别进行了讨论。

关键词 金缕梅科; 新异名